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DATE: 01/24/2001

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/581,331

Input Set : A:\MOG57701.ST25.txt

Output Set: N:\CRF3\01242001\I581331.raw

ENTERED

3 <110> APPLICANT: Stuiver, Maarten
 4 Sijbolts, Floor
 6 <120> TITLE OF INVENTION: Constitutive Plant Promoters
 8 <130> FILE REFERENCE: MOG57701/UST
 10 <140> CURRENT APPLICATION NUMBER: 09/581,331
 11 <141> CURRENT FILING DATE: 2000-07-21
 13 <150> PRIOR APPLICATION NUMBER: EP 97203912.7
 14 <151> PRIOR FILING DATE: 1997-12-12
 16 <150> PRIOR APPLICATION NUMBER: PCT/ EP98/08162
 17 <151> PRIOR FILING DATE: 1998-12-10
 19 <160> NUMBER OF SEQ ID NOS: 22
 21 <170> SOFTWARE: PatentIn version 3.0
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 24 <211> LENGTH: 520
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Arabidopsis thaliana
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 33 atggtttgat tcggtcaggt tgatacgtt tggaagtaa acccgacctata gatattgatgt 180
 35 tacaaccagt ccacatcttt tatgatttta gtggaacaaa cgaagagtta tttagacgat 240
 37 acaaacaagg tccgaataag tgtgagctgt cccaagtaag accacgtaat actcacctca 300
 39 acaagatagt gttcttaaaag tgtgtcaaac acaatcacac acacacaaat cataaaacac 360
 41 aaagacgata atccatcgat ccacagaata gacgccacgt ggtagatagg attctcacta 420
 43 aaaagttctc accttttaat ctttctccac gccatttcca caagccataa tcctcaaaaa 480
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 50 <212> TYPE: DNA
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 56 tgcggcaata ttatattccc tgggccacc gtgaacccaa tttcgcttat ttattcatta 120
 58 ccccatataa cattgaagta gtcattgatg gctgcagca cgttggtgag gctggcacia 180
 60 ctcatccata tactttctga ccggtcggc acattattgt agaaaacgcg gacccacagc 240
 62 gcactttcca aagcgggtgcc gcgtcagaat gcgctggcag aaaaaaatta atccaaaagt 300
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 68 <213> ORGANISM: Artificial
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 71 <223> OTHER INFORMATION: Chimeric promoter
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 78 ttgcctatt tattcattac cccattaac attgaagtag tcatgatggg cctgcagcac 180
 80 gttggtgagg ctggcacaac tcatccatat actttctgac cggatcggca cattattgta 240

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82 gaaaacgcgg acccacagcg cactttccaa agcggtgccg cgtcagaatg cgctggcaga 300
84 aaaaaattaa tccaaaagtg actgaagtgt gaaggtggag attatgtatt cacttgttga 360
86 ttgtgtatac attctatgta aggttcaatt atttacgtta tataattata atggagtaat 420
88 ttacagtaat tgggtttaaaa tggtttgatt cggtcagggt gatacggttt ggaagttaaa 480
90 cccggcctag atatgatgtt acaaccagtc cacatctttt atgatttttag tggacaacaa 540
92 gaagagttat ttagacgata caaacaaggt ccgaataagt gtgagctgtc ccaagtaaga 600
94 ccacgtaata ctcacctcaa caagatagtg ttcttaaagt gtgtcaaaca caatcacaca 660
96 cacacaaatc ataaaacaca aagacgataa tccatcgatc cacagaatag acgccacgtg 720
98 gtagatagga ttctactaa aaagtctca ccttttaatc tttctccacg ccatttccac 780
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104 <211> LENGTH: 477
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113 ttcgttcatg tgtgtatgtg tgattgtagc ttgatatgat ttaacctgtt agttaaatgt 180
115 gcatagacaa taagtaacat acgaagcgag tcactaagca taagagtcaa cttgttttgc 240
117 tgaaaagata tcacttatga ttttcgaatc attttagctt ttttgtcact tgagcttaat 300
119 gattcttctg aaattcgatt ctttgtttgg tttatgtcac attctttaga attgagaatc 360
121 taagaaatgc ttacaggata tggtgaaact attcttttaa gatagcatga tgcttctttt 420
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152 <212> TYPE: DNA
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155 <220> FEATURE:
156 <223> OTHER INFORMATION: Primer
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162 <210> SEQ ID NO: 8
163 <211> LENGTH: 27

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189 <213> ORGANISM: Artificial	
191 <220> FEATURE:	
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200 <212> TYPE: DNA	
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261 <213> ORGANISM: Artificial
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273 <213> ORGANISM: Arabidopsis thaliana
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280 aatgattatg tatatgtgaa acttatatct aggggcacaa ttaatttcg tatgataatt 180
282 gtctagttag ctttatgtac ttatcataaa aaccttagtg tttatcgcaa tacttttcaa 240
284 atatagtgtg gaatacataat ggtcccactg tcattatgtt tgatgcaaat ctatttggat 300
286 tttgttggat aataaaccga tgacgtggac cagaccagta gctataagat ttggttcaca 360
288 tagaaatttt ttataagata atgtatctag gtttgcctat gattatacat gtgatattta 420
290 atacatggca caggttcgtc gagtttcaca gccataggta caatagaagg caaattcgat 480
292 tgtggttata tggtaaaagt taagttgggc tcagagattc ttaacggcgt tctttatcat 540
294 tcggcccagc ccggcccac tcacatctcca accgctgttc taaacaatgc cgttgtacct 600
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300 cattgcaagc tcaaatcact ttatcccaac aaggagagag agtttacgaa acttatcgga 780
302 gaatcgtgga gcaatctctc taccgaagaa cgaatggtaa caaattatct tttaaaccgt 840
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317 attaaggtct tagttaatga ttatgtatat gtgaaactta ttttagggg cacagtttaa 180

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323 caaatctatt tggattttgt tggataataa accgatgacg tggaccagac cagtagctat 360
325 aagatttggg tcacatagaa attttttata agataatgta tctaggtttg cttatgatta 420
327 tacatgtgat atttaataca tggcacaggt tcgtcgagtt tcacagccat aggtacaata 480
329 gaaggcaaat tcgattgtgg ttatctggta aaagttaagt tggggtcaga gattcttaac 540
331 ggcgttcttt atcattcggc ccagcccggc ccatcatcat ctccaaccgc tgttctaaac 600
333 aatgccgttg taccttatgt tgaaactggg aggagacggc gtcgtttagg taaaagacga 660
335 agaagcagac gcagagaaga tccgaattac ccgaaaccga accggagcgg ttacaatttc 720
337 ttctttgctg agaaacattg caagctcaaa tcactttatc ccaacaagga gagagagttt 780
339 acgaaactta tcggagaatc gtggagcaat ctctctaccg aagaacgaat ggtaacaaat 840
341 tatcttttaa accgttaccg atttagtgat gaaattagat ttgtattgca gcgatttcat 900
343 tttagattct caaaaatatt ctcatagtggt tgggatttga gtagagttaa tgttgctgtg 960
345 gcatgatttg aatagtatgc aagatttttg agattttgca ttcgttcatg tgtgtatgtg 1020
347 tgattgtagc ttgatatgat ttaacctgtt agttaaatgt gcatagacaa taagtaacat 1080
349 acgaagcgag tcactaagca taagagtcaa cttgttttgc tgaaaagata tcacttatga 1140
351 ttttcgaatc attttagctt ttttgtcact tgagcttaat gattcttctg aaattcgatt 1200
353 ctttgtttgg tttatgtcac attctttaga attgagaatc taagaaatgc ttacaggata 1260
355 tggtgaaact attcttttaa gatagcatga tgcttctttt atgattctac agtgggctaag 1320
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398 <212> TYPE: DNA

399 <213> ORGANISM: Arabidopsis thaliana

401 <400> SEQUENCE: 22

VERIFICATION SUMMARY

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